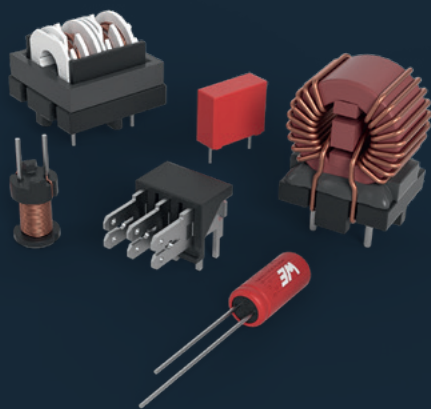


WÜRTH ELEKTRONIK MORE THAN YOU EXPECT



ELECTRONIC
COMPONENTS
FOR WHITE GOODS
APPLIANCES



Version 2022/23

THE WÜRTH ELEKTRONIK

eiSos GROUP



THE WÜRTH ELEKTRONIK GROUP

Employees: 8,000*
Sales: 1.09 Bn. Euro*
*2021

WÜRTH ELEKTRONIK eiSos GROUP

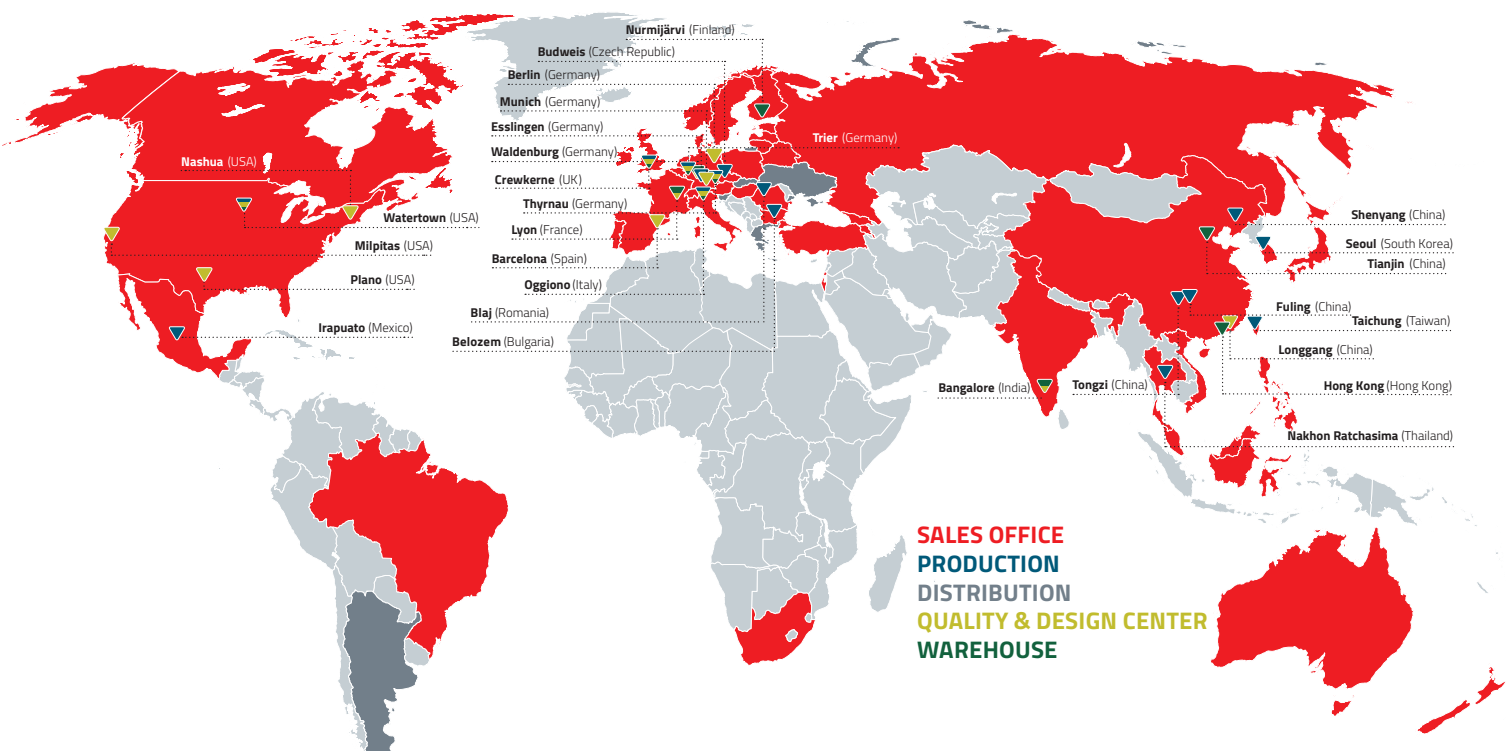


PRINTED CIRCUIT
BOARDS

INTELLIGENT
POWER AND
CONTROL SYSTEMS



GLOBALLY AVAILABLE. LOCALLY PRESENT.



MORE THAN YOU EXPECT: OUR SERVICE FOR YOU

Global Support

- Global Key Account Management
- Local personal sales support
- Global technical support
- Design Guide "Trilogy of Magnetics", "Abc of Capacitors", "Trilogy of Connectors", "Abc of Power Modules" & „The LTspice IV Simulator“, „Trilogy of Wireless Power Transfer“
- Free technical seminars and webinars
- Application Notes

Design-In Support

- EMC test lab racks
- Reference designs of leading IC manufacturers
- #askLorandt for electronic design support

Delivery

- All products available ex stock
- Within 24 – 48 hours
- Orders below MOQ
- Service degree: 98.5 %
- Samples free of charge

Service

- Design kits with lifelong free refill
- smartPCN

Tools

- Toolbox for developers and purchasers
- Free online design platform REDEXPERT
- Search engine for EMC labs
- WE Plus Service – Personalize your connectors
- Component libraries
- 3D, STP, IGS



Reference designs with major IC manufacturers

- Analog Devices
- Texas Instruments
- Microchip Technologies
- Infineon Technologies
- ROHM Semiconductor
- STMicroelectronics
- ON Semiconductor



RoHS
COMPLIANT



REACH
COMPLIANT



HALOGEN
FREE

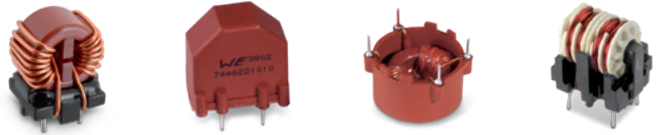
Declaration obligatory ingredients (SVHC) according to REACH & the RoHS conformity can be found here:
www.we-online.com/materialcompliance



ELECTRONIC COMPONENTS FOR WHITE GOODS APPLIANCES

Power Line Common Mode Chokes **3**

- Core Materials: Nanocrystalline (NC), Manganese Zinc (MnZn), Nickel Zinc (NiZn)
- Compliant with VDE, ENEC, UL and IEC 60335
- Custom Designs possible



Ferrites **15**

- Core Materials: Manganese Zinc (MnZn), Nickel Zinc (NiZn)
- Split Ferrites, Round Cores or SMD Chip Ferrites



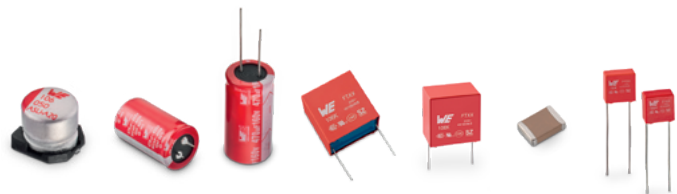
Voltage Protection Devices **1**

- Disk Varistors, SMD Varistors, TVS and Power TVS Diodes
- Compliant with VDE, CQC, CSA, UL



Capacitors **2 5 9**

- Aluminum Electrolytic Capacitors (Radial THT, V-Chip SMD, Snap in)
- Aluminum Polymer Capacitors (Radial THT, V-Chip SMD, H-Chip SMD)
- Multilayer Ceramic Chip Capacitors (0201 – 1812, NPO, X5R, X7R)
- DC Film Capacitors (Boxed THT, MKP & MKT)
- Interference Suppression Safety Capacitors (Boxed THT, MLCC, X1, X2, Y2)



Inductors **6 7**

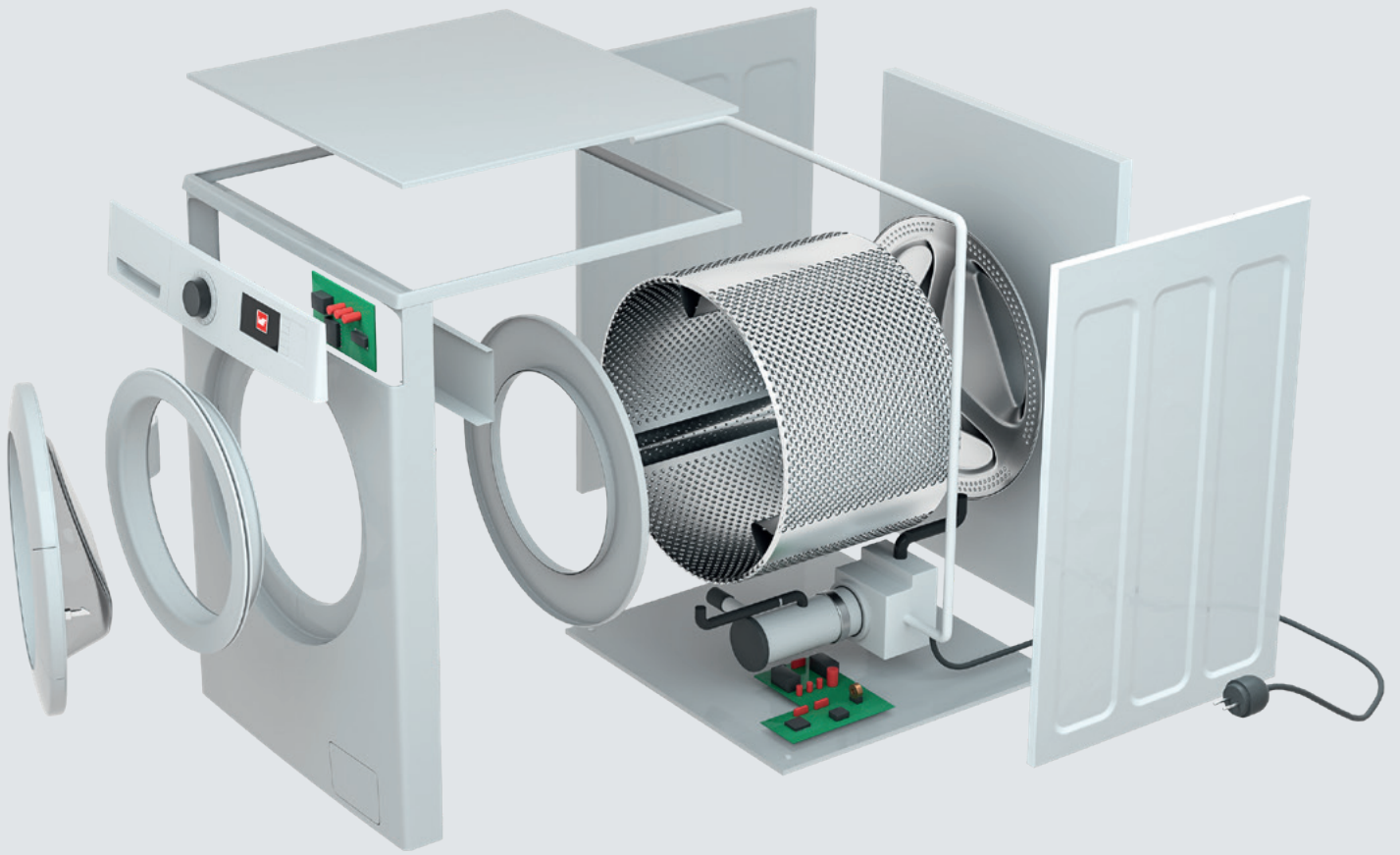
- Shielded, Semi-Shielded and Unshielded Versions
- High Voltage Versions available
- Custom Designs possible



Signal Line Common Mode Chokes **8**

- Core Materials: Manganese Zinc (MnZn), Nickel Zinc (NiZn)
- Bifilar and Sectional winding styles

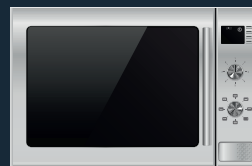




Coffee Machines



Food Processors



Microwaves



Air Conditioner



Ovens



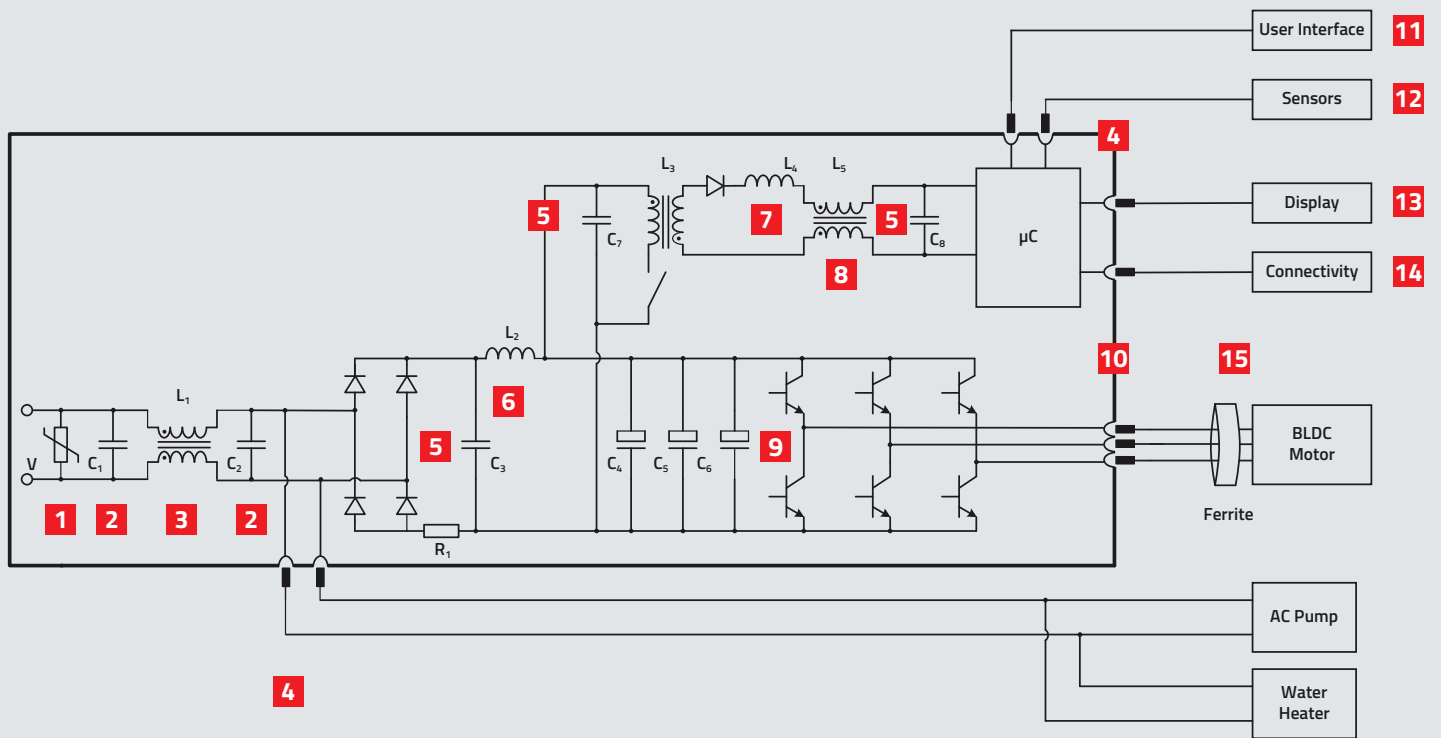
Hobs



Washers



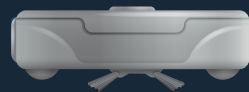
Refrigerators and Freezers



Heatpumps



Mixers & Blenders



Robots



Water Heaters



Dishwashers



Dryers



Extractor Hoods



Vacuum Cleaner

ELECTRONIC COMPONENTS FOR WHITE GOODS APPLIANCES

Communication Interfaces **11**

- Filtered LAN for Speed up to 10 Gbit
- PoE Applications supported up to 2 A



Optoelectronics **13**

- Visible, infrared and ultraviolet LED
- Optocouplers
- 7 Segment Display



Sensors & Connectivity **12 14**

- Modules for Bluetooth & Wi-Fi or Proprietary
- Sensors for Temperature, Humidity, Pressure and Acceleration



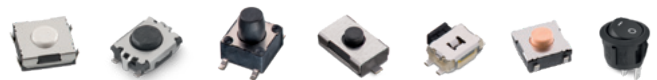
Connectors **4**

- Wire to Board (1.00, 1.25, 1.50, 2.00 mm; MPC3 & MPC4)
- SKEDD Connectors
- FAST Connectors
- ZIF/LIF Connectors
- Fuse Holders
- Coax (SMA, SMB, SMP, MCX, MMCX, UMRF)
- Compliant with VDE, UL and IEC
- Custom Designs possible:
 - RAST Connectors compliant to Standard EN 60335-1



Switches **11**

- Tact Switches SMT
- Up to IP67
- Rocker Switches



Assembly

- Spacer Studs, SMT Spacer, Plastic Spacer
- Cable Holders, Plastic Caps
- Mounting Tabs & Tubular Cable Lugs



REDCUBE Terminals **10**

- REDCUBE PRESS-FIT
- REDCUBE PLUG
- REDCUBE THR
- REDCUBE SMT



TOOLBOX

TOOLBOX

www.we-online.com/toolbox



RE-REELING SERVICE

REDEXPERT

Want to get rid of AC loss calculation? We measured them for you!



Check it out!
www.we-online.com/REDEXPERT

IC Reference Designs

Want to speed up your designs? Try our online IC reference design search tool!



Component Libraries

Design software Modelithics, S-Parameters, Eagle, CADSTAR, LTspice, Cadence OrCAD & Allegro and Altium for a fast design.

ALTIUM **EAGLE**
CADSTAR MODELITHICS
Cadence OrCAD & Allegro
SPECTRE *P*Spice
S-Parameter *LT*spice

Product & Application Guides

Various application and product guides help you to easily select components.



Seminars, Webinars & Tutorials

We offer web-based seminars as a supplement to our long-standing stationary seminars. Our experts will shine a light on interesting topics regarding electronic & electromechanical components.

www.we-online.com/seminars
www.we-online.com/webinars



Application Notes

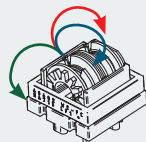
Field-tested applications and insider knowledge of product specialists including reference designs and layout data.

www.we-online.com/applicationnote



3D files

Würth Elektronik offers 3D files for all electronic components available for download from the website. There are different formats available: .igs, .stp



askLorandt
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we-online.com/youtube



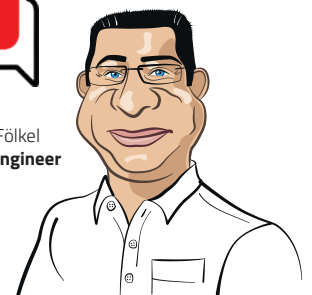
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we-online.com/askLorandt



Lorandt Fölkel
Design Engineer
at heart



or contact me directly:
askLorandt@we-online.com



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